

## Appendix B Abbreviations and Acronyms Used in the ABWR Certified Design Material

### STD DEP T1 3.4-1

ABS	Absolute	CFS	Condensate and Feedwater System
AC	Alternating Current	CID	Control Interface Diagram
AC	Atmospheric Control	CIV	Combined Intermediate Valve
ADS	Automatic Depressurization System	CMP	Configuration Management Plan
AFPC	Augmented Fuel Pool Cooling	CMU	Control Room Multiplexing Unit
AMB	Ambient	COL	Combined Operating License
ATLM	Automated Thermal Limit Monitor	CPS	Condensate Purification System
APR	Automatic Power Regulator	CRD	Control Rod Drive
APRM	Average Power Range Monitor	CRDHS	Control Rod Drive Hydraulic System
ARD	Anti-Rotation Device	CRGT	Control Rod Guide Tube
ARI	Alternate Rod Insertion	CRHA	Control Room Habitability Area
ARM	Area Radiation Monitoring	CS	Containment Spray
AS	Turbine Auxiliary Steam System	CST	Condensate Storage Tank
ASD	Adjustable Speed Drive	CTG	Combustion Turbine Generator
ASME	American Society of Mechanical Engineers	CUW	Reactor Water Cleanup
Code	Engineers, Boiler and Pressure Vessel Code	CV	Check Valve
ATWS	Anticipated Transient Without Scram	CV	Control Valve
BLDG	Building	CVCF	Constant Voltage Constant Frequency
C&I	Control and Instrumentation	CW	Circulating Water
C/B	Control Building	DC	Direct Current
CBSREA	Control Building Safety-Related Equipment Area	DEPSS	Drywell Equipment and Piping Support Structure
C/C	Cooling Coil	DG	Diesel Generator, Emergency
CAMS	Containment Atmospheric Monitoring System	DIV	Division
CFC AE	Condensate Feedwater and Condensate Air Extraction	D/S	Dryer and Separator
		<del>DTMDTE</del>	<del>Digital Trip Modules</del> <u>Function</u>
		DWC	Drywell Cooling
		E/B	Electrical Building

EAB	Exclusion Area Boundary	HSI	Human-System Interfaces
EAROM	Electrically-Alterable Read-Only Memory	HVAC	Heating, Ventilating, and Air Conditioning
ECCS	Emergency Core Cooling System	HWH	Hot Water Heating
EDG	Emergency Diesel Generator	HX	Heat Exchanger
EMC	Electromagnetic Compatibility	IA	Instrument Air
EMI	Electromagnetic Interference	ICGT	In-Core Guide Tube
<del>EMSECF</del>	<del>Essential Multiplexing-System Communication Function</del>	I&C	Instrumentation and Control
		INST	Instrumentation
EPD	Electrical Power Distribution	ISLOCA	Intersystem Loss-of-Coolant Accident
ESD	Electrostatic Discharge	ISI	In-Service Inspection
ESF	Engineered Safety Feature	ITAAC	Inspection, Tests, Analyses, and Acceptance Criteria
FCS	Flammability Control System	ITP	Initial Test Program
FCU	Fan Coil Unit	IV	Intercept Valve
FDWC	Feedwater Control	ISV	Intercept Stop Valve
FIV	Flow-Induced Vibration	LCP	Local Control Panels
FMCRD	Fine Motion Control Rod Drive	LCW	Low Conductivity Waste
FP	Fire Protection	LD	Load Driver
FPC	Fuel Pool Cooling and Cleanup	LDS	Leak Detection and Isolation System
FPS	Fire Protection System	LOCA	Loss-of-Coolant Accident
FW	Feedwater	LOPP	Loss of Preferred Power
GL	Grade Level	LPFL	Low Pressure Core Flooder
GSC	Gland Seal Condenser	LPMS	Loose Parts Monitoring System
HAZ	Heat-Affected Zone	LPRM	Local Power Range Monitor
HCU	Hydraulic Control Unit	LPZ	Low Population Zone
HCW	High Conductivity Waste	LSPS	Lighting and Servicing Power Supply
HECW	HVAC Emergency Cooling Water	MC	Main Condenser
HEPA	High Efficiency Particulate Air	M/C	Metal-Clad
HFE	Human Factors Engineering	MCAE	Main Control Area Envelope
HNCW	HVAC Normal Cooling Water	MCC	Motor Control Center
HPCF	High Pressure Core Flooder	MCES	Main Condenser Evacuation System
HPIN	High Pressure Nitrogen Gas Supply		

MCR	Main Control Room	PRM	Process Radiation Monitoring
MCRP	Main Control Room Panels	PROM	Programmable Read-Only Memory
MG	Motor Generator	PS	Pipe Space
MOV	Motor-Operated Valve	PSW	Potable and Sanitary Water
MPT	Main Power Transformer	R/B	Reactor Building
MRBM	Multi-Channel Rod Block Monitor	RAT	Reserve Auxiliary Transformer
MS	Main Steam	RCCV	Reinforced Concrete Containment Vessel
MSIV	Main Steam Isolation Valve	RCIC	Reactor Core Isolation Cooling
MSL	Main Steamline	RCIS	Rod Control and Information System
MTSV	Main Turbine Stop Valve	RCPB	Reactor Coolant Pressure Boundary
MT	Main Turbine	RCW	Reactor Building Cooling Water
MUWC	Make Up Water (Condensate)	RFC	Recirculation Flow Control
MUWP	Make Up Water (Purified)	RFI	Radio Frequency Interference
MWP	Makeup Water Preparation	RHR	Residual Heat Removal
NBS	Nuclear Boiler System	RHX	Regenerative HX
<del>NEMS</del> NECF	<del>Non-Essential Multiplexing-System</del> <u>Communication Function</u>	RIP	Reactor Internal Pump
NMS	Neutron Monitoring System	RMU	Remote Multiplexing Unit
NPSH	Net Positive Suction Head	RPS	Reactor Protection System
NRHX	Non-Regenerative HX	RPV	Reactor Pressure Vessel
NSD	Non-Radioactive Storm Drain	RRS	Reactor Recirculation System
OGS	Off-Gas System	RSS	Remote Shutdown System
OLU	Output Logic Unit	RSW	Reactor Service Water
OPRM	Oscillating Power Range Monitor	RW/B	Radwaste Building
OSC	Operational Support Center	RX	Reactor
OST	Oil Storage and Transfer	S/B	Service Building
P/C	Power Center	S/P	Suppression Pool
PASS	Post-Accident Sampling System	SA	Service Air
PCHS	Power Cycle Heat Sink	SAM	Sampling System
PCS	Primary Containment System	SB&PC	Steam Bypass and Pressure Control
PIP	Plant Investment Protection	SC	Shutdown Cooling
PMG	Plant Main Generator	SCRR1	Selected Control Rod Run-In

SD	Storm Drain	TSW	Turbine Service Water
SD	Smoke Detector	UAT	Unit Auxiliary Transformers
SDC	Shutdown Cooling	UHS	Ultimate Heat Sink
SGTS	Standby Gas Treatment System	USE	Upper-Shelf Energy
SJAE	Steam Jet Air Ejectors	V&V	Verification and Validation
SIT	Structural Integrity Test		
SLC	Standby Liquid Control		
<del>SLUSLF</del>	Safety System Logic <del>Unit Function</del>		
SMP	Software Management Plan		
S/P	Suppression Pool		
SPC	Suppression Pool Cooling		
SPCU	Suppression Pool Cleanup		
SPTM	Suppression Pool Temperature Monitoring		
SRNM	Startup Range Neutron Monitor		
SRV	Safety/Relief Valve		
SSE	Safe Shutdown Earthquake		
SSLC	Safety System Logic and Control		
SSPV	Scram Solenoid Pilot Valve		
STP	Simulated Thermal Power		
SWC	Surge Withstand Capability		
T/B	Turbine Building		
TB	Turbine Bypass		
TBS	Turbine Bypass System		
TCW	Turbine Building Cooling Water		
TD	Tornado Damper		
TDH	Total Developed Head		
TGS	Turbine Gland Seal		
<del>TLUTLF</del>	Trip Logic <del>Unit Function</del>		
TMSL	Typical Mean Sea Level Elevation		
TN	Transmission Network		
TSC	Technical Support Center		